

US Application No. 09/852,659

**Exhibit A**Alignment of amino acid sequences for various Neurokinins B:

Clone HPMBQ91, Human Neurokinin B (Swiss-Prot entry No. Q9UHF0, Rat Neurokinin B (Genbank entry NM\_019162, Bonner et al. 1987, IDS reference M), Mouse Neurokinin B (Genbank entry NM\_009312, Kako et al. 1993, IDS reference N), Bovine Neurokinin B (Genbank entry AH001152, Kotani et al. 1986, IDS reference O).

	10	20	30	
1	HPMBQ91.PRO			
1	human_NKB.PRO			
1	mouse_NKB.PRO			
1	bovine_NeuroB.PRO			
1	rat_NKB.PRO			
	40	50	60	
31	HPMBQ91.PRO			
31	human_NKB.PRO			
30	mouse_NKB.PRO			
31	bovine_NeuroB.PRO			
30	rat_NKB.PRO			
	70	80	90	
56	HPMBQ91.PRO			
56	human_NKB.PRO			
57	mouse_NKB.PRO			
61	bovine_NeuroB.PRO			
57	rat_NKB.PRO			
	100	110	120	
86	HPMBQ91.PRO			
86	human_NKB.PRO			
87	mouse_NKB.PRO			
91	bovine_NeuroB.PRO			
87	rat_NKB.PRO			
	116			
116	HPMBQ91.PRO			
116	human_NKB.PRO			
116	mouse_NKB.PRO			
121	bovine_NeuroB.PRO			
116	rat_NKB.PRO			

Decoration 'Decoration #1': Shade (with solid black) residues that match HPMBQ91.PRO exactly.